

I. GENERAL

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD157 (MERRITT BLVD) AND SEARLES ROAD IN BALTIMORE COUNTY. THE EXISTING SIGNAL HEAD MODULES SHALL BE REPLACED WITH LED SIGNAL HEAD MODULES. MD157 IS ASSUMED TO RUN IN THE NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

- THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH VIDEO DETECTION FOR SIDE STREETS. THE MERRITT BLVD MOVEMENTS OPERATE CONCURRENTLY AND THE SEARLES ROAD MOVEMENTS OPERATE CONCURRENTLY.
- THE EXISTING FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH VIDEO INTERFACE EQUIPMENT, TELEMETRY CABLE AND ALL NECESSARY EQUIPMENT HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET SHALL BE USED AT THIS INTERSECTION.

III. INTERCONNECT NOTES

SEE SHEET SP-16 OF 39 FOR INTERCONNECT DETAILS AND QUANTITIES

CONTACTS

DISTRICT

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-321-2781

MR. DONALD SCHAEFER
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-321-2821

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-321-2761

MR. MICHAEL PASQUARIELLO
ASSISTANT DISTRICT ENGINEER - UTILITIES
410-321-2841

MR. DAVID CASTLE
BALTIMORE GAS & ELECTRIC - ELECTRICAL SERVICE
1-800-233-1854

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

ITEM NO.	QUANTITY	DESCRIPTION
900000	39 SF	[UPDATED] SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN 2 EA M1-5(4) "MERRITT BLVD" AND "MD 157 NORTH/SOUTH" SIGN (78 X 36") MAST ARM MOUNTED
900000	20 SF	[UPDATED] SHEET ALUMINUM GROUND MOUNTED SIGN 2 EA D3-2(1) "SEARLES ROAD NEXT SIGNAL" GROUND MOUNTED SIGN (VAR. X 24")

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

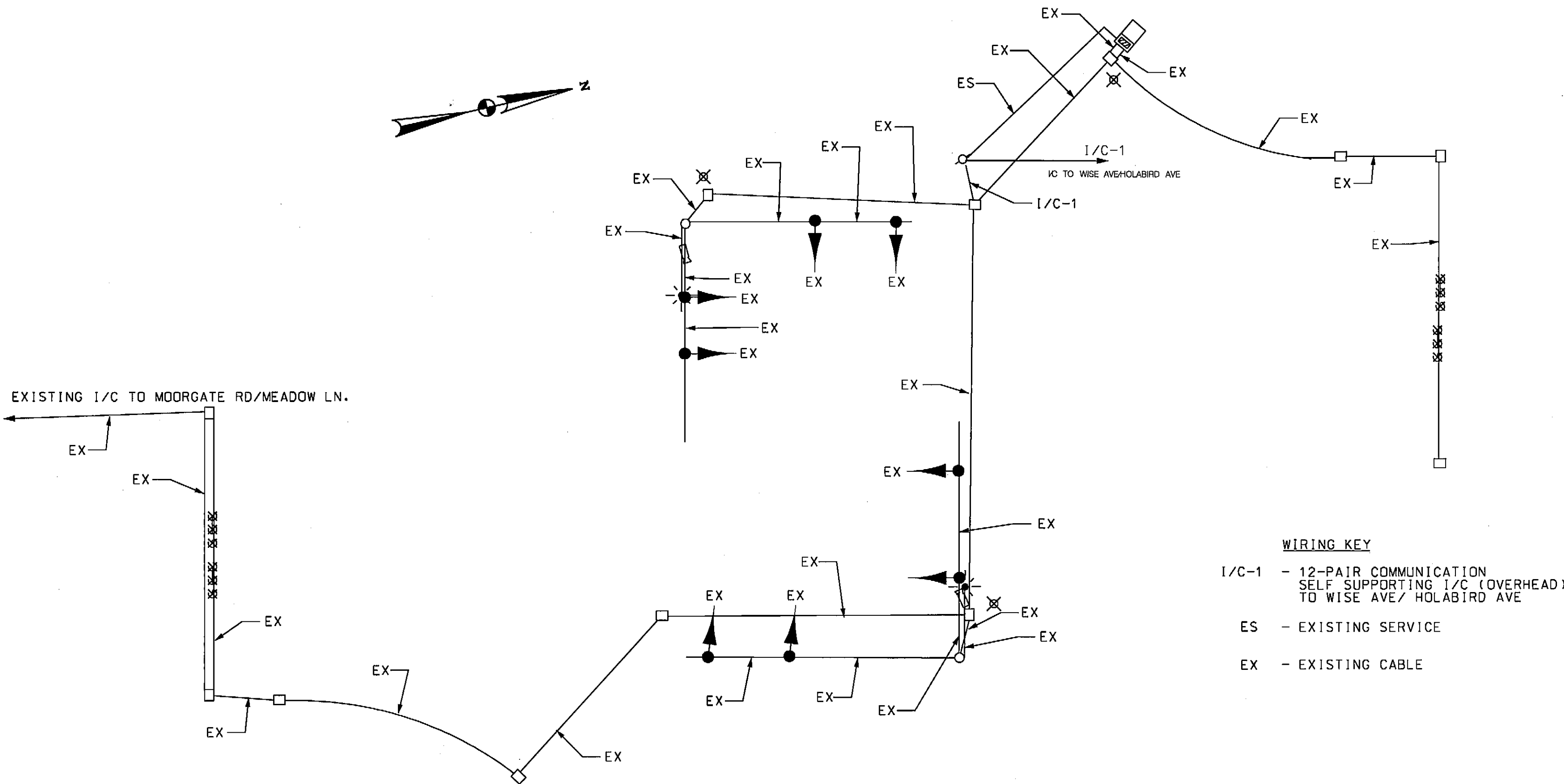
ITEM NO.	QUANTITY	DESCRIPTION
800000	24 EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL MODULE
800000	59 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN
801106	56 LF	WOOD SIGN SUPPORTS 4 INCH X 6 INCH

PHASE CHART

	1	2	3	4	5	6	7	8
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)
PHASE 2 & 6	G	G	G	R	R	R	R	R
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R
PHASE 4 & 8	R	R	R	R	G	G	G	G
4 & 8 CHANGE	R	R	R	R	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM

NOTE: NO CHANGE TO EXISTING
WIRING EXCEPT FOR INTERCONNECT



WIRING KEY

- I/C-1 - 12-PAIR COMMUNICATION
SELF SUPPORTING I/C (OVERHEAD)
TO WISE AVE/ HOLABIRD AVE
- ES - EXISTING SERVICE
- EX - EXISTING CABLE



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD157 AND SEARLES ROAD
DUNDALK, MARYLAND

GENERAL INFORMATION PLAN

SCALE 1" = 20' DATE 6/1/09 CONTRACT NO. BA1195168

DESIGNED BY K. PERMISOHN COUNTY BALTIMORE
DRAWN BY M. WAGNER LOGMILE 03015703.22
CHECKED BY D. MACLEAN TMS NO. J639
FAP NO. TOD NO.

TS NO. 4340A GI DRAWING SP-10 OF 39 SHEET NO. 2 OF 2



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